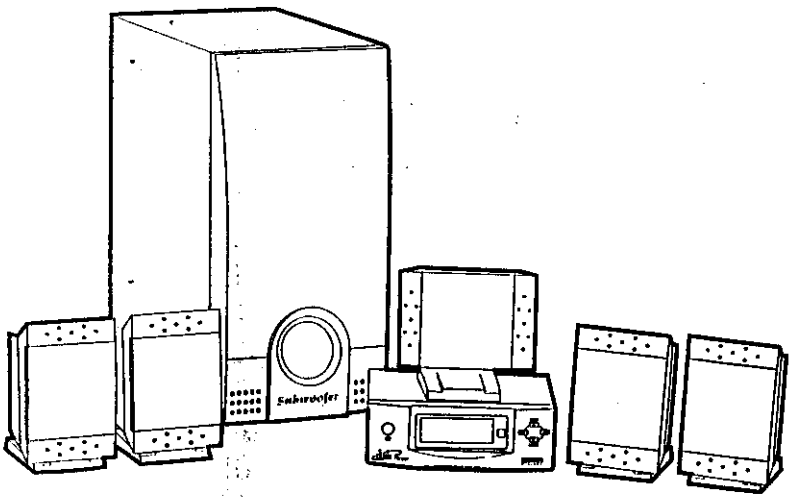
KINYO

5.1 HOME THEATER

SPEAKER SYSTEM

User's Guide

MODEL NO: D-525/560



Please read and understand all safety instructions before use.

SPECIFICATIONS

◎ Dolby Digital Decoder(C-10)
- Audio Input:
  - Analog: Stereo (RCA× 2)
  - Digital: Coaxial & Optical Fiber
- LCD Display
- Power, Function (Mode, Up/Test, Down/Mute, Enter)Controls
- Remote Control Receiver
- Output:
  - G9: L, R, SL, SR, C, Subwoofer Channels
  - Mini Jack:
    - -Line (Front L, R Channels)
    - -Surround (Rear SL, SR Channels)
    - -Subwoofer Channel
    - -Center Channel
- Dimensions: W180× H60× D132mm(7× 2 1/4× 5 1/4 inch)

◎ Remote Controller (DR-10)

◎ 5.1 Home Theater Speaker:
- Satellite , Surround & Center Speakers:
  - 2 Watts RMS each (RS-12 for D-525)
  - 5 Watts RMS each (RS-15 for D-560)
  - 3" full Range Speaker
  - 80 Hz~20kHz Frequency Response
  - Impedance 4Ω
  - Dimensions: W130× H90× D85mm(5× 3 1/2× 3 1/4 inch)

5.1 Home Theater Speaker System Contents

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Dolby Digital® DECODER

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FCC Compliance Statement

The equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on. The used is encouraged to try to correct the interference by one or more of the following measure:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Notice--

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not

WARRANTY INFORMATION

Your 5.1 Home Theater Speaker System comes with 90 days warranty from the date of purchase. This warranty does not cover any incompatibilities due to the user's computer, hardware, audio station or any other related system configuration in which the 5.1 Home Theater Speaker System interfaces.

This warranty does not cover any damage caused by negligence, non-authorized modifications, or parts installed.

This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication, nor as a result of service to the product by anyone other than by manufacturer.

When you send in your product, ensure it is adequately cushioned to prevent damage during shipping. Include all hardware and software the came with your 5.1 Home Theater Speaker System, so that the integrity of these pieces can also be verified by service center.

Note: It is recommended that you ship your 5.1 Home Theater Speaker System fully insured and freight pre-paid. It will not be accepted if product damaged and caused by poor handling and shipping.

PACKAGE CONTENTS

Dolby Digital ® Decoder box (C-10).....x 1
Remote Controller (DR-10).....x 1
Subwoofer Speaker (D-525/D-560).....x 1
Satellite Speakers (RS-12/RS-15).....x 5
Speaker Racks (S-10).....x 5
Speaker Racks (J-22).....x 4
9 (DIN) Cable .....x 1
User's Guide.....x 1
RCA plug 2CH /RCA plug 2CH .....x 1
RCA plug 1CH /RCA plug 1CH .....x 1
DC power cable (1.5M).....x 1
Machine Screw M4x 6L .....x 5
Tapping Screw TP4x 25L .....x 10

Depending on the environment, satellite speakers(center,left,right,rear left, and rear right)can be placed on the wall or desktop. Please try a variety of positions unit the best possible sound effect is achieved. Also, space limitations may make it necessary to place them vertically or horizontally, and the speaker grill covers can be dismantled and reinstalled with ease when the speakers are positioned.

J-22 SETTING INSTRUCTION-1

J-22 SETTING INSTRUCTION-2

We suggest the following steps to setup the speaker mode of Dolby Digital Decoder.

Step1: Confirm your speaker numbers and position by TEST function key.
Step2: Confirm your audio device output is digital (AC-3 or PCM) or Analog (stereo), and then setup the INPUT mode correctly.
Step3: Play your audio device.
Step4: Listen and feel, try to change bass configuration 1 or bass Configuration 2 by adjusting Bass button on the remote controller (In the Speaker Mode area).

Test: Auto Noise Test mode. Noise output (L, R, SL, SR, C, Subwoofer) for every 2 seconds.

L : Set Noise Test output to L channel.
R : Set Noise Test output to R channel.
SL : Set Noise Test output to SL channel.
SR : Set Noise Test output to SR channel.
C : Set Noise Test output to C channel.
SW: Set Noise Test output to SW channel.

TROUBLESHOOTING AND SUPPORT

This appendix describes basic troubleshooting to help you solving problems, you might have with the 5.1 Home theater Speaker System. Care and cleaning information, as well as Technical Support information are also provided.

This section lists common questions and answers to installation and connection problems you may experience with the 5.1 Home Theater speaker System if applying these methods does not solve the problem, contact Technical Support for further assistance.

Problem	Cause	Remedy
No Sound	Speakers not properly connected	Check cables for short or open connections
	incorrect input mode	Select proper audio source (Digital or Analog)
	Amplifier is off/malfunction	Check your amplifier
Weak sound	Volume control down	Turn volume control up
	Speak cable shorted or have broken strands	Check cables
Buzzing sound	Speaker cable (wire) short	Check cable wiring
No balance control	Check balance control setting	Adjust balance control
Excessive Highs or lows	Speaker out of circuit	Check speaker
Speaker test	Run the self test routing	Listen for white noise in all speakers

Note: The amplifier is assumed to work properly.

cause harmful interference, and (2) this device must accept any interference received, including interference that may cause Undesired operation. Shielded cables and I/O cords must be used for this equipment to comply with the relevant FCC regulations. Changes or modifications Not expressly approved in writing by KINYO CO., Ltd may void the user's authority to operate this equipment. This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the radio interference regulation off the Canadian Department of Communication.

OVERVIEW

Thank you for purchasing the 5.1 Home Theater Speaker System. The 5.1 Home Theater Speaker System is a versatile audio entertainment system that support Dolby Digital® Sound for movie theater quality . The Dolby Digital® Decoder of 5.1 Home Theater Speaker System allows you to connect and convert virtually any audio input source such as; TV, VCR, CD-ROM or DVD Player, Laser Disc Player, Stereo Receiver, Boom Box , PC system, and Game Controller into a dynamic multimedia theater center. With this Decoder, the digital sound can be presented in its original form and after compilation, the analog sound can be presented in a virtual sound form (pro logic). LCD Display will help you for easy navigation. With the Dolby Digital® Decoder, you can experience the same sound quality as that in Movie Theater-true Dolby AC-3 sound effects with 5.1 separate soundtracks-right in your living room!

4. Speaker Mode 4: Five Speakers + Subwoofer
A. Bass Management: Configuration 1

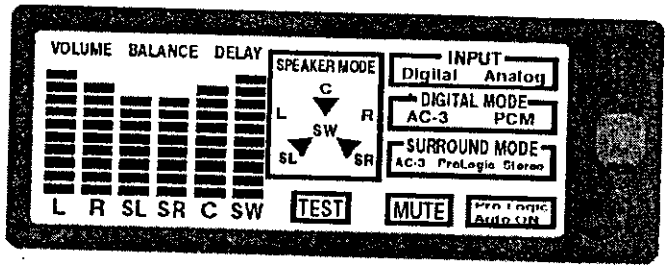


Fig. 16

B. Bass Management: Configuration 2

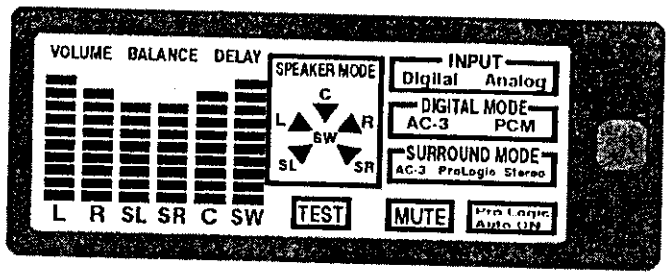
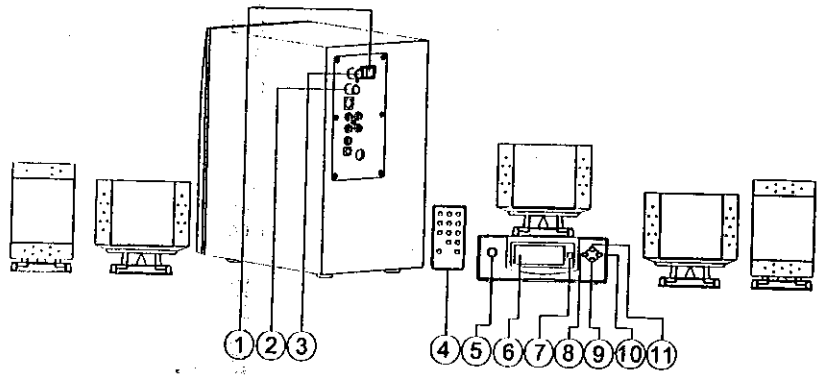


Fig. 17

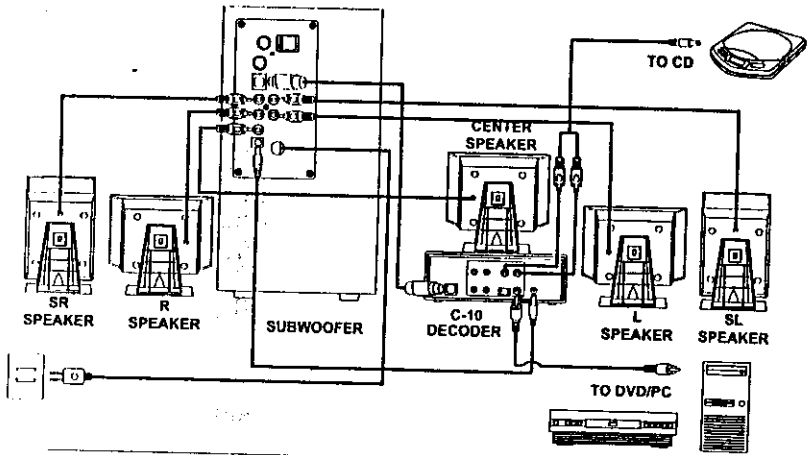
5.1 Home Theater Speakers
LOCATION OF CONTROLS



CONTROLS: (REFER TO ABOVE NUMBER)

MODEL NO.	1	2	3	4	5	6	7	8	9	10	11
D-525/560	SUBWOOFER POWER	MASTER VOLUME	BASS LEVEL	REMOTE CONTROLLER	DECODER POWER	LCD DISPLAY	REMOTE CONTROL RECEIVER	MODE	DOWN/MUTE	ENTER	UP/TEST

SYSTEM CONNECTION



A. Subwoofer Speaker Jack:

1. Connect the RCA signal line of the SR speaker with the SR RCA Jack on the subwoofer.
2. Connect the RCA signal line of the R speaker with the R RCA Jack on the subwoofer.
3. Connect the RCA signal line of the SL speaker with the SL RCA Jack on the subwoofer.
4. Connect the RCA signal line of the L speaker with the L RCA Jack on the subwoofer.
5. Connect the RCA signal line of the C speaker with the C RCA Jack on the subwoofer.

B. Subwoofer Input Jack:

connect the 9 pins signal line with the G9 outlet of the C10 Decoder.

C. Subwoofer AC In:

1. Connect this AC power cord to the power outlet.

D. Subwoofer DC Out:

Connect the DC power cord with the power input jack of the C10 Decoder to supply the power of the C10 Decoder. (The power Of C10 Decoder is DC12V, 500mA.)

E. C10 Decoder Audio input:

1. Use the COAXIAL/OPTICAL Cable to input the digital sound signal
2. Use the RCA cable to input the analog stereo sound signal.

Depending on the environment, the satellite speakers(C,L,R,SL,SR) can be located on walls or on a ceiling or on a table. Feel free to experiment until you get the best sound. Furthermore, the speakers can be placed either vertically or horizontally based on the space needed. The front cover with the logo can be reassembled to meet the position of the speaker.

3. Speaker Mode 3: Four Speakers + Subwoofer

A. Bass Management: Configuration 1

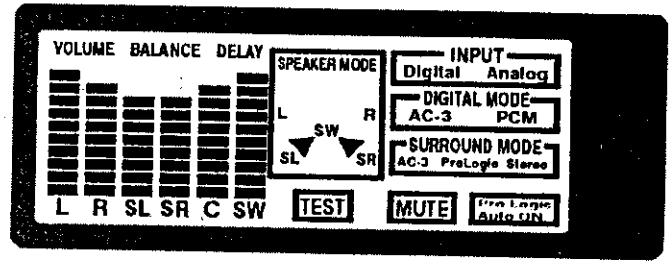


Fig. 14

B. Bass Management: Configuration 2

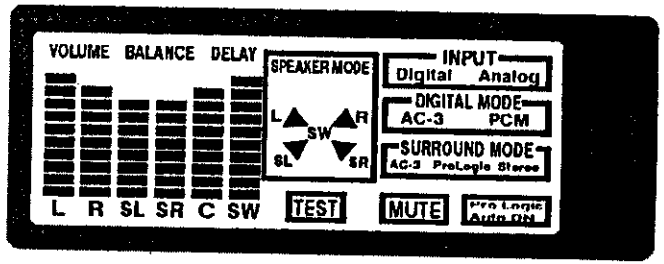


Fig. 15

2. Speaker Mode 2: Three Speakers + Subwoofer
A. Bass Management: Configuration 1

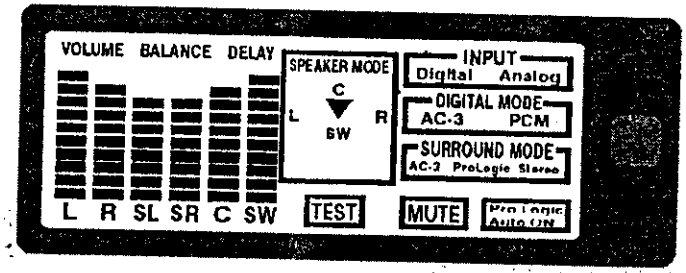


Fig. 12

B. Bass Management: Configuration 2

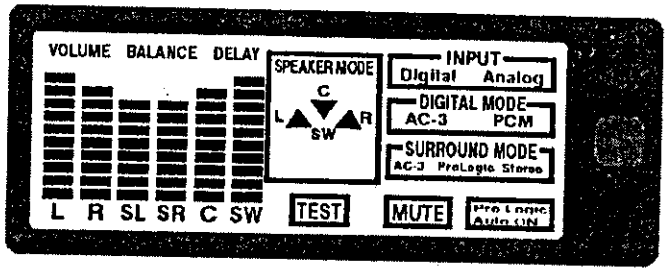
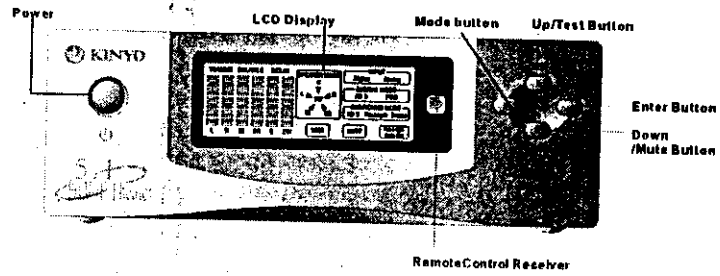


Fig. 13

Dolby Digital® Decoder

Front Panel Description:



Panel Buttons Description:

POWER: power on/off, after press the button, decoder will power on/off about 1-sec later, It is processing the self-test and the initial configuration during the period.

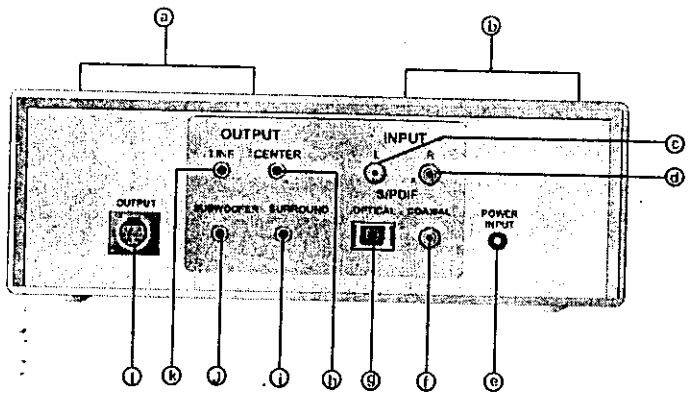
MODE: panel modes setting, after press the button, decoder enter the mode setting status, the volume real-time display be hold temporarily, some patterns on the LCD are flashing for your decision, press the same button to the next mode setting or press the Enter button to make the current decision and exit the panel setting.

ENTER: making decisions and exit any setting.

UP/TEST: as an Up button during the mode setting, otherwise, press the button to proceed the speakers testing procedure.

Down/Mute: as a Down button during the mode setting, otherwise, press the button to proceed the speakers muting procedure.

REAR PANEL DESCRIPTION:



A: output area
b: input area
c: stereo **L** channel input (analog input)
d: stereo **R** channel input (analog input)
e: DC12V power input
f: **COAXIAL** cable S/PDIF input (digital input)
g: **OPTICAL** cable S/PDIF input (digital input)
h: **CENTER** channel output
i: **SURROUND - L - R** channel output
j: **SUBWOOFER** - channel output
k: **front L - R** channel output
l: **G9** output (**L, R, SL, SR, CENTER, SUBWOOFER** channels)

CONFIGURATION OF SPEAKER SETTING:

Decoder supports 4 Kinds of speaker configuration and 2 kinds of bass management for Dolby Digital System. The following figures are examples of speaker setting.

1. Speaker Mode 1: Two Speaker+Subwoofer
   A. Bass Management: Configuration 1

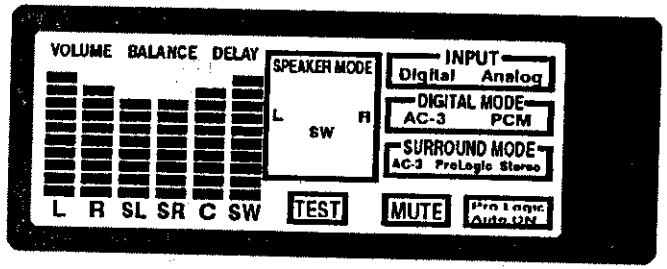


Fig10

B. Bass Management: Configuration 2

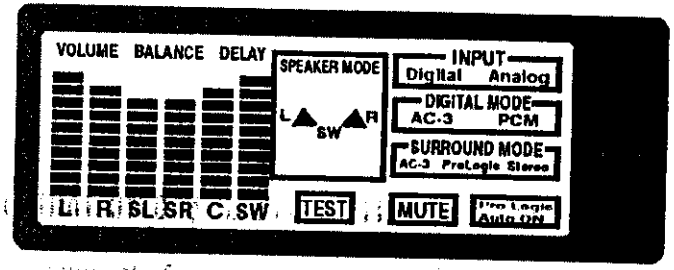


Fig11

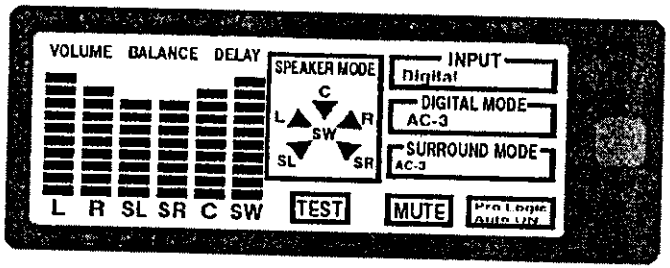
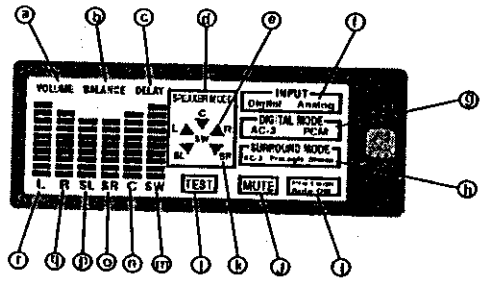


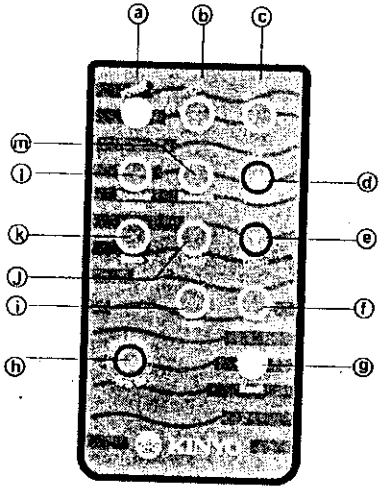
Fig 9. INPUT (Digital AC-3)/**SURROUND MODE** (AC-3)
(Pro Logic Auto ON is active)

LCD DISPLAY DESCRIPTION:



a: **VOLUME** indicator
b:**BALANCE** indicator
c: **DELAY** indicator
d: **SPEAKER MODE** window
e: **L, R, CENTER, SURROUND-L, SURROUND-R, SUBWOOFER** speakers indicators, where is defined as "bass enhancement" indicator
f: input audio source display window
g: digital input format display window (auto-detection)
h: surround mode display window
I: **Pro Logic Auto- ON** indicator
j: **MUTE** indicator, while the indicator is flashing, it means decoder is at the muting status, otherwise it is at the normal status
k: **"SR"**means **" Surround-Right"** channel
l: **TEST** indicator, while the indicator is flashing, it means decoder is at the testing status, otherwise it is at the normal status
m: **SUBWOOFER** channel volume indicator
n: **Center** channel volume indicator
o: **SURROUND-R** channel volume indicator
p: **SURROUND-L** channel volume indicator
q: **Right** channel volume indicator
r: **Left** channel volume indicator

REMOTE CONTROLLER DESCRIPTION:



a: **POWER** on/off key
b: **TEST/unTEST** key
c: **MUTE/un MUTE** key
d: **Up** key The volume increased when adjusting the volume and the delay time increased when adjusting the delay time.
e: **DOWN** key the volume decreased when adjusting the volume and the delay time decreased when adjusting the delay time.
f: **SURROUND MODE** selection key
g:**Reset** key, reset decoder to the power-in initial configuration
h:Pro Logic Auto- ON key
i: **Input Mode** selection key
j: **DELAY** time adjusting key
k: **BASS** enhancement/normal key
l: **Speaker Mode** selection key for selecting your speaker numbers
m: **Volume Balance** adjusting key

3.**INPUT** : digital audio source input (selected by user)
DIGITAL MODE: AC-3 (digital format audio stream, Auto-Detected by the system.)
Surround Mode: supports AC-3, Pro Logic, Stereo

Note: AC-3 surround mode supports Pro Logic Auto-ON(According to the AC-3 audio source input, the system will set the output as Pro Logic or Stereo automatically.)

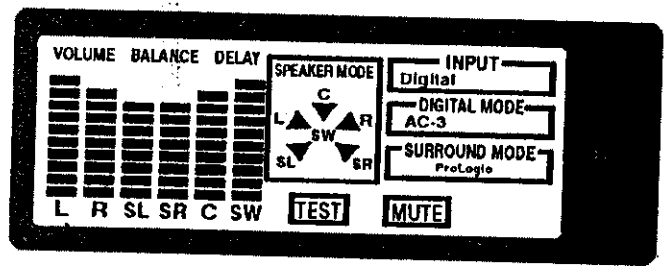


Fig 7. INPUT (Digital AC-3)/**SURROUND MODE** (Pro Logic)

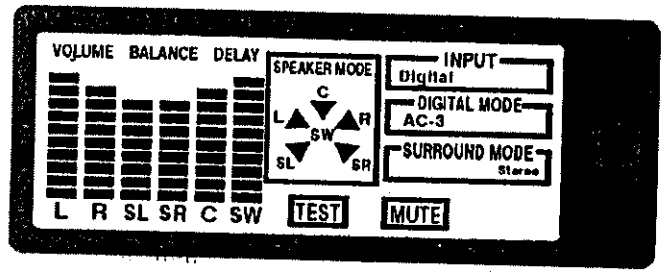


Fig 8. INPUT (Digital AC-3)/**SURROUND MODE** (Stereo)

2.INPUT : digital audio source input (selected by user)
DIGITAL MODE: PCM (digital format audio stream, auto-detected by system.)
Surround Mode: supports Pro Logic or Stereo

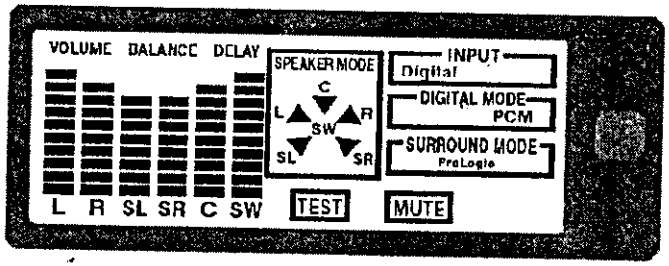


Fig 5..INPUT (digital PCM)/SURROUND MODE (Pro Logic)

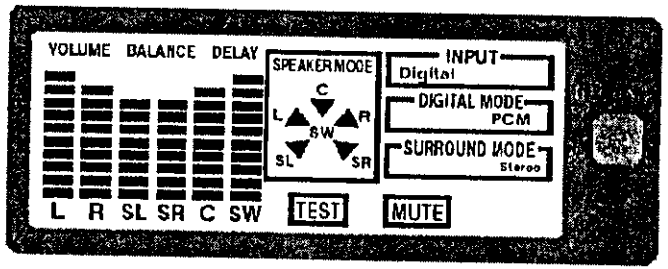


Fig 6. INPUT (digital PCM)/SURROUND MODE (Stereo)

OPERATING DOLBY DIGITAL DECODER:

This section explains panel setting and remote control setting, including default system configuration, Input setting, Digital Mode auto-detection, Surround mode setting, SPEAKER MODE setting, Volume and Balance adjustment, MUTE/unMUTE, TEST/unTEST operating reset decoder.

Default System Configuration:

The Default configuration is shown as Fig1. Decoder would reset the decoder whenever you disconnect the power (not panel power -off). Notice that depends on the output of audio device the DIGITAL MODE can be either AC-3 or PCM For further information, please see the SURROUND mode setting on page 14.

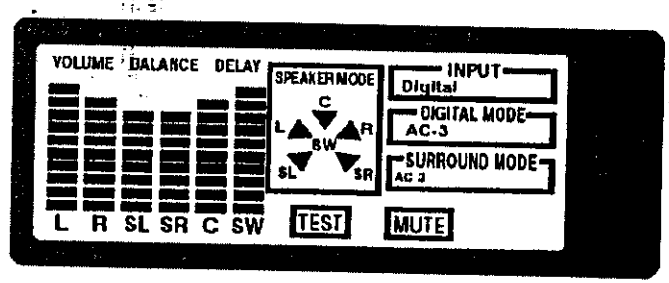


Fig. 1

Input setting:

After power on, press (M) to select input audio source(Digital or Analog input), flashing pattern means it is your decision. Press (▲) to the next mode setting or press (M) to exit when you are done.

Digital Mode auto-detection:

DIGITAL MODE is detected automatically, it depends on your audio source digital output, FIG.2 shows a DVD player's back panel for reference.

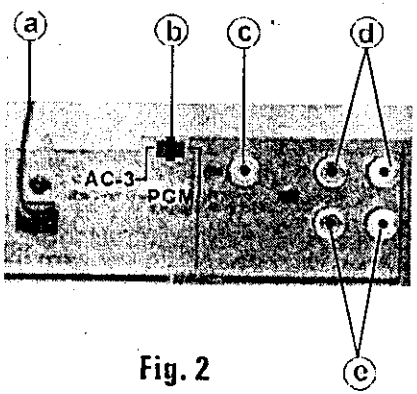


Fig. 2

a: optical cable output
b: AC-3 or PCM digital output switch, if you select AC-3, decoder will auto-detect the digital AC-3 input and Display it on the LCD.
C: Coaxial cable (Digital) output port
d: stereo output (A set)
e: stereo output (B set)

SURROUND MODE setting:

1.INPUT : analog audio source input (selected by user)
Surround Mode: supports Pro Logic or Stereo (selectable)

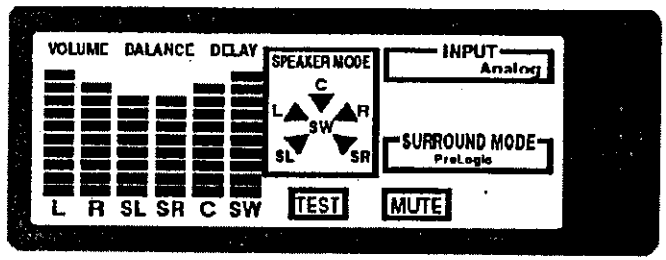


Fig 3. INPUT (Analog)/SURROUND MODE (Pro Logic)

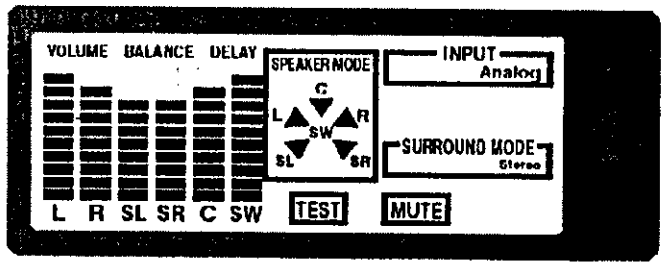
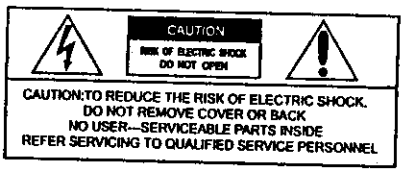


Fig 4. INPUT (analog)/SURROUND MODE (Stereo)

- Subwoofer:

  - 4" Woofer 15 Watts RMS (D-525)
  - 6 1/2" Woofer 40 Watts RMS (D-560)
  - 40 Hz~120Hz L. F. E.
  - Impedance 4 Ω
  - LED, Power , Master Volume, Bass Level Controls
  - D-525 Dimensions: W150x H260x D241mm
    (6x 10 1/4x 9 1/2 inch)
  - D-560 Dimensions: W190x H356x D325mm
    (7 1/2x 14x 12 3/4 inch)


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION:TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER OR BACK
NO USER—SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION
PILOT LAMP SOLDERED IN PLACE. TO REDUCE, THE RISK OF ELECTRIC SHOCK, REFER TO QUALIFIED SERVICE PERSONNEL.

Attention, presence of dangerous voltage located within enclosure.

Attention, consult instruction manual for important operating and maintenance (servicing) instructions.